CASE STUDY

WattStopper occupancy sensors make it easy for HD Supply to live up to green ideal

HD Supply Facilities Maintenance, Ltd.
San Diego, CA

WattStopper Lighting Controls Used:

PW-200 Passive Infrared Dual Relay Wall Switch Sensors

DT-300 Dual Technology Ceiling Sensors

BZ-50 Universal Voltage Power Packs

When HD Supply Facilities Maintenance, a leading distributor of maintenance products and operating supplies to the multifamily, hospitality and healthcare industries, decided to add an **ideallygreen**$_{sm}$ section to its catalog, WattStopper occupancy sensors were featured to help customers reduce energy use. Then, as part of its own commitment to the environment, HD Supply installed more than 150 WattStopper sensors in its San Diego, California, headquarters.

> Before the sensors were installed, lighting was often left on all day, even when offices were unoccupied

Energy saving controls

Dual relay passive infrared (PIR) wall switch occupancy sensors now provide bi-level lighting control for all of the private offices in the 151,300 square-foot facility. The sensors automatically turn on either one or two of three lamps in each fixture when occupancy is detected, and give occupants manual control of both lighting levels, so they can easily switch lights to 33%, 67%, 100% or off. After occupancy is no longer detected, lighting automatically turns off.

This bi-level, automatic-on control strategy saves the most energy, according to a recent study by the California Lighting Technology Center, and is the default sequence of operation for WattStopper dual relay wall switch sensors. Before the sensors were installed, the lighting was often left on all day, even when the offices were unoccupied.

HD Supply conference rooms were equipped with dual technology ceiling sensors and power packs. Dual technology, developed and patented by WattStopper, combines PIR and ultrasonic detection to ensure maximum sensitivity and coverage for optimal reliability, especially in larger rooms.

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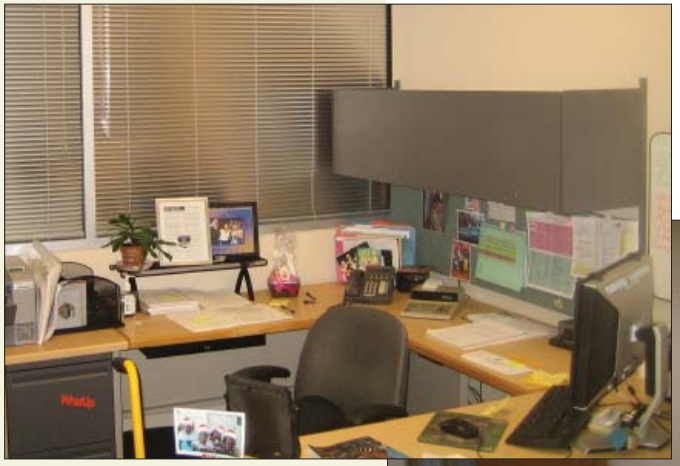

Sensors turn lights off automatically in unoccupied private offices and in conference rooms.

Based on the observed savings, ease of installation, and occupant satisfaction, HD Supply has plans to install WattStopper occupancy sensors in its call center in New Braunfels, Texas.

Installation and future plans

HD Supply Sustainability Manager Evan Matzen reports, "The installation was easy and we're very happy with the occupancy sensors. The default settings are perfect for most of our applications, but we adjusted a few of the sensors. It is simple to customize the operation to suit individual preferences for manual- or auto-on, time delay and sensitivity."

Because building power is aggregated along with the company's growing data center, it is impossible to quantify how much power the sensors save. However, Matzen notes that overall energy consumption has not increased despite the concurrent addition of servers and related cooling, and he attributes a portion of this to the new lighting controls.

Employees have commented that the lights in unoccupied areas are now turned off far more often than they used to be. They estimate they spend only about 40% of most days in their offices, so the savings are significant. Based on the observed savings, ease of installation, and occupant satisfaction, HD Supply has plans to install WattStopper occupancy sensors in its New Braunfels, Texas, call center.

Senior Facilities Engineer Max Rae, who installed the WattStopper sensors, echoes Matzen's enthusiasm saying, "Both the wall switches and the ceiling sensors were very simple to install. I appreciate products that are well designed and clearly labeled so that I can be confident about doing my work. I'm looking forward to upgrading our call center."

Environmental initiative

Through **ideallygreen**, HD Supply helps customers identify product offerings that are energy efficient and environmentally friendly. The program also incorporates a variety of green practices into internal operations across the company. In addition to installing energy efficient lighting, and WattStopper occupancy sensors, HD Supply has instituted recycling programs, reduced packaging and changed to green cleaning products.

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